

THE AMERICAN JOURNAL OF PATHOLOGY

*Official Publication of
The American Association of Pathologists and Bacteriologists*

BOARD OF EDITORS

EDWARD A. GALL, EDITOR-IN-CHIEF

ORVILLE T. BAILEY

HUGH G. GRADY

ALVIN J. COX, JR.

HOWARD T. KARSNER

R. PHILIP CUSTER

SHIELDS WARREN

EDITORIAL ASSISTANT

JANET E. SMITH

VOLUME XXXVI

(January through June)

1960

PAUL B. HOEBER, INC., *Publishers*

MEDICAL DIVISION OF HARPER & BROTHERS

COPYRIGHT © 1960
BY THE AMERICAN ASSOCIATION OF
PATHOLOGISTS AND BACTERIOLOGISTS

M610.5
Am 393 v.36,ja-jc 1960

B

UNIVERSITY
of
PENNSYLVANIA
LIBRARIES

CONTENTS OF VOLUME XXXVI

1960

(January through June)

JANUARY, 1960. NUMBER 1

ANOXIC-ISCHEMIC ENCEPHALOPATHY IN RATS. (With sixteen illustrations.) <i>Seymour Levine</i>	I
AN ELECTRON MICROSCOPIC STUDY OF EXPERIMENTAL ATHEROSCLEROSIS. (With thirty-four illustrations.) <i>Frank Parker</i>	19
HISTOCHEMICAL OBSERVATIONS ON GLYCOGEN IN THE HUMAN MYOCARDIUM. (With ten illustrations.) <i>Benjamin Wittels and Leopold Reiner</i>	55
THE EFFECTS UPON THE KIDNEY OF TRANSIENT HYPERCALCEMIA INDUCED BY PARATHYROID EXTRACT. (With thirteen illustrations.) <i>Frank A. Carone,</i> <i>Franklin H. Epstein, David Beck and Howard Levitin</i>	77
PRESENCE OF A TUMOR INHIBITORY PRINCIPLE IN LIVERS. <i>Peter A. Herbut and</i> <i>William H. Kraemer</i>	105
THE RESULTS OF VARYING DEGREES OF NARROWING IN THE LEFT CIRCUMFLEX CORONARY ARTERY IN DOGS. (With three illustrations.) <i>George Lumb,</i> <i>R. S. Shacklett and John B. Cook III</i>	113

FEBRUARY, 1960. NUMBER 2

IRON OVERLOADING AND HEPATIC VULNERABILITY. (With twelve illustrations.) <i>L. Golberg and J. P. Smith</i>	125
THE PATHOLOGY OF NEONATAL HEPATITIS. (With ten illustrations.) <i>B. Ruebner</i>	151
AGE CHANGES IN THE RENAL BASEMENT MEMBRANE IN RATS. (With twelve illustrations.) <i>C. T. Ashworth, R. R. Erdmann and N. J. Arnold</i>	165
STUDIES IN EXPERIMENTAL ENDOCARDITIS. I. PRODUCTION OF VALVULAR LE- SIONS BY MECHANISMS NOT INVOLVING INFECTION OR SENSITIVITY FAC- TORS. (With sixteen illustrations.) <i>Alfred A. Angrist, Masamichi Oka,</i> <i>Komei Nakao and Jeanne Marquiss</i>	181
COLONIC HISTIOCYTOSIS IN CHILDREN. REPORT OF A FORM RESEMBLING THAT SEEN IN WHIPPLE'S DISEASE. (With six illustrations.) <i>David T. Row-</i> <i>lands, Jr., and Benjamin H. Landing</i>	201

- EXPERIMENTAL THYROIDITIS IN RABBITS, GUINEA PIGS AND DOGS, FOLLOWING IMMUNIZATION WITH THYROID EXTRACTS OF THEIR OWN AND OF HETEROLOGOUS SPECIES. (With fourteen illustrations.) *Kornel L. Terplan, Ernest Witebsky, Noel R. Rose, John R. Paine and Richard W. Egan* . . . 213

MARCH, 1960. NUMBER 3

- POSTHEPATITIC, POSTNECROTIC, AND NUTRITIONAL CIRRHOSIS. A PATHOLOGIC ANALYSIS. (With nineteen illustrations.) *Edward A. Gall* . . . 241
- THE FINE STRUCTURE OF CEREBRAL FLUID ACCUMULATION. II. SWELLING PRODUCED BY TRIETHYL TIN POISONING AND ITS COMPARISON WITH THAT IN THE HUMAN BRAIN. (With seven illustrations.) *Richard M. Torack, Robert D. Terry and H. M. Zimmerman* . . . 273
- FOCAL INTIMAL PROLIFERATION IN THE CEREBRAL ARTERIES. (With sixteen illustrations.) *W. E. Stehbens* . . . 289
- PATHOGENESIS OF EXPERIMENTAL NEPHROSIS. ELECTRON MICROSCOPIC OBSERVATIONS. (With eleven illustrations.) *James C. Harkin and Lillian Recant* . . . 303
- A COMPARATIVE CYTOCHEMICAL AND CYTOLOGIC STUDY OF VITAMIN D INDUCED NEPHROCALCINOSIS. (With twenty illustrations.) *Dante G. Scarpelli, Gilles Tremblay and A. G. Everson Pearse* . . . 331
- RESIDUAL PIGMENT ASSOCIATED WITH INTRAVENOUS FAT ALIMENTATION. (With ten illustrations.) *Samuel W. Thompson II, Mary A. Fox, Allan L. Forbes and Robert W. Thomassen* . . . 355

APRIL, 1960. NUMBER 4

- HEPATIC LIPID PRODUCED BY POLYPHAGIA IN ALBINO RATS; RELATIONSHIPS TO DIETARY CHOLINE AND CASEIN. (With fourteen illustrations.) *John S. Meyer and W. Stanley Hartroft* . . . 365
- PHYSICAL ACTIVITY IN EXPERIMENTAL CHOLESTEROL ATHEROSCLEROSIS OF RABBITS. *S. D. Kobernick and Gen Niwayama* . . . 393
- HUMAN CARDIAC CONDUCTION TISSUE LESIONS. (With fourteen illustrations.) *George Lumb and R. S. Shacklett* . . . 411
- SEROTONIN-INDUCED ACUTE NEPHROSIS AND RENAL CORTICAL NECROSIS IN RATS; A MORPHOLOGIC STUDY WITH PREGNANCY CORRELATIONS. (With thirteen illustrations.) *Douglas Waugh and Manuel J. Pearl* . . . 431
- HUMAN INHALATION ANTHRAX; A REPORT OF THREE FATAL CASES. (With twelve illustrations.) *Wilhelm S. Albrink, Samuel M. Brooks, Robert E. Biron and Moses Kopel* . . . 457
- EXPERIMENTAL CARCINOGENESIS IN THE DUCT-LIGATED AND ARTERY-LIGATED SUBMAXILLARY SALIVARY GLAND OF THE RAT. (With eight illustrations.) *Samuel M. Standish and William G. Shafer* . . . 473

MAY, 1960. NUMBER 5

CHANGES IN HEPATIC STRUCTURE IN WILSON'S DISEASE. (With eleven illustrations.) <i>Paul J. Anderson and Hans Popper</i>	483
EXPERIMENTAL PIGMENT CIRRHOSIS. ITS PRODUCTION IN RATS BY FEEDING A CHOLINE-DEFICIENT DIET WITH EXCESS IRON. (With four illustrations.) <i>Richard A. MacDonald</i>	499
BIOCHEMICAL CHANGES IN CARBON TETRACHLORIDE FATTY LIVER. CONCENTRATION OF CARBON TETRACHLORIDE IN LIVER AND BLOOD. <i>Richard O. Recknagel and Marilyn Litteria</i>	521
GEOGRAPHIC PATHOLOGY. CHRONIC MYOCARDITIS OF VENEZUELA. (With ten illustrations.) <i>S. E. Gould</i>	533
GEOGRAPHIC DIFFERENCES IN THE SEVERITY OF AORTIC AND CORONARY ATHEROSCLEROSIS. THE UNITED STATES, JAMAICA, W.I., SOUTH INDIA, AND JAPAN. <i>Ira Gore, William B. Robertson, Albert E. Hirst, G. Gordon Hadley and Yahei Koseki</i>	559
MYOCARDIAL ISCHEMIA AND EARLY INFARCTION. A HISTOCHEMICAL STUDY. (With thirteen illustrations.) <i>Bernard Kliensky</i>	575
THE STRUCTURE AND SIGNIFICANCE OF PULMONARY PLEXIFORM STRUCTURES. (With five illustrations.) <i>Richard L. Naeye and George P. Vennart</i>	593
CHRONIC GLOMERULONEPHRITIS. (With thirteen illustrations.) <i>Edith Grishman and Jacob Churg</i>	607

JUNE, 1960. NUMBER 6

HISTOCHEMICAL REACTIONS IN CARCINOID TUMORS OF THE HUMAN GASTROINTESTINAL TRACT. (With six illustrations.) <i>R. D. Lillie and G. G. Glenner</i>	623
THE PRODUCTION OF BRONCHIAL CARCINOMAS IN MICE. (With eight illustrations.) <i>Olive Gates and Shields Warren</i>	653
BRUCELLOSIS AND HEART DISEASE. II. FATAL BRUCELLOSIS: A REVIEW OF THE LITERATURE AND REPORT OF NEW CASES. (With ten illustrations.) <i>Thomas M. Peery and Lester F. Belter</i>	673
NEPHROTOXIC PROPERTIES OF COPPER UNDER EXPERIMENTAL CONDITIONS IN MICE; WITH SPECIAL REFERENCE TO THE PATHOGENESIS OF THE RENAL ALTERATIONS IN WILSON'S DISEASE. (With seven illustrations.) <i>F. Stephen Vogel</i>	699
INVOLUTING AND SCARRED GLOMERULI IN THE KIDNEYS OF INFANTS. (With four illustrations.) <i>John L. Emery and Morag S. Macdonald</i>	713
INOCULATION OF HELMINTH EGGS INTO ANIMAL EYES. (With five illustrations.) <i>A. B. Chowdhury, B. H. Kean and H. G. Browne</i>	725
PROCEEDINGS OF THE AMERICAN ASSOCIATION OF PATHOLOGISTS AND BACTERIOLOGISTS	735
INDEX OF SUBJECTS	751
INDEX OF AUTHORS	753